

Water-Data Report 2007

12137300 SPADA LAKE NEAR STARTUP, WA

Puget Sound Basin
Skykomish Subbasin

LOCATION.--Lat 47°58'28", long 121°41'10" referenced to North American Datum of 1927, in NW ¼ sec.29, T.29 N., R.9 E., Snohomish County, WA, Hydrologic Unit 17110009, on left bank at Culmbach Dam on Sultan River, 1.7 mi downstream from South Fork, 7.8 mi north of Startup, and at mile 16.5.

DRAINAGE AREA.--68.3 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--April 1965 to current year.

REVISED RECORDS.--WDR WA-79-1: 1975-76(M). WA-95-1: 1994.

GAGE.--Nonrecording gage. Datum of gage is NGVD of 1929 (levels by Snohomish County P.U.D. No. 1).

COOPERATION.--Elevation at 2400 hours and capacity table furnished by Snohomish County Public Utility District No. 1.

REMARKS.--Reservoir is formed by earthfill dam originally completed to elevation 1,408 ft in 1965. Storage began April 5, 1965, for water supply for the City of Everett.

During 1983 the dam was raised to elevation 1,470 ft with storage beginning November 1983. Capacity was increased to 153,260 acre-ft at elevation 1,450 ft, crest of spillway. Normal operating pool is between elevations 1,420 ft and 1,450 ft.

Figures given herein represent total contents. Spada Lake is used to provide water for the City of Everett, and since June 1, 1984, power generation for Snohomish County Public Utility District No. 1.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 164,599 acre-ft, Nov. 23, 1990, elevation, 1,455.8 ft; minimum contents observed since reservoir was first filled, 4,250 acre-ft, Sept. 30, 1967, elevation, 1,301.28 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 157,366 acre-ft, Mar. 25, elevation, 1,452.1 ft; minimum contents observed, 74,024 acre-ft, Oct. 24, elevation, 1,399.6 ft.

MONTH-END ELEVATION AND CONTENTS AT 2400
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Date	Elevation (feet)	Contents (acre-feet)	Change in contents
September 30	1,407.10	83,919	--
October 31	1,401.00	75,826	-8,093
November 30	1,441.50	137,765	+61,939
December 31	1,423.60	107,909	-29,856
Calendar Year 2006	--	--	-10,276
January 31	1,423.40	107,594	-315
February 28	1,425.40	110,752	+3,158
March 31	1,447.50	148,703	+37,951
April 30	1,438.40	132,308	-16,395
May 31	1,444.10	142,504	+10,196
June 30	1,447.20	148,156	+5,652
July 31	1,442.40	139,405	-8,751
August 31	1,425.00	110,120	-29,285
September 30	1,411.30	89,645	-20,475
Water Year 2007	--	--	+5,726